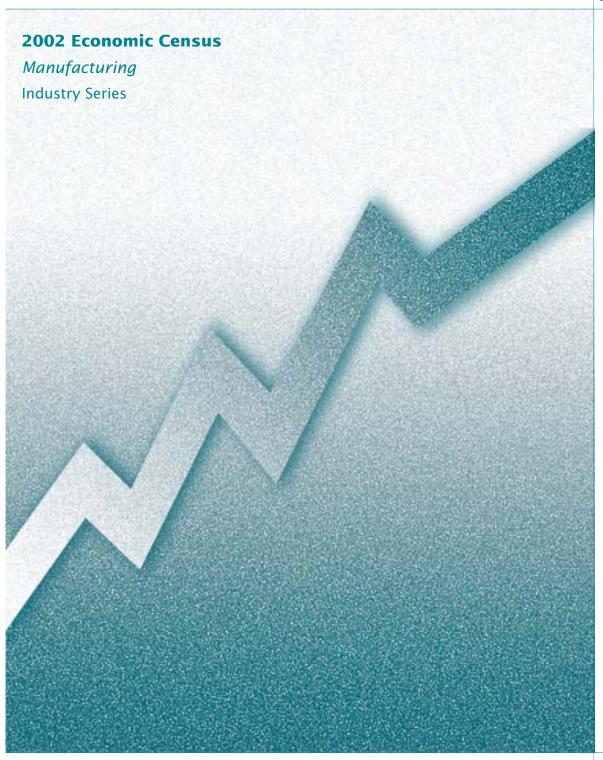
Fiber Optic Cable Manufacturing: 2002

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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

	All		All employees		Production workers				Total	Total	Total capital
Industry and year ¹	Com- panies ²	estab- lish- ments ³	Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	materials	shipments	expendi- tures (\$1,000)
335921, Fiber optic cable manufacturing2002 2001 2000 1999 1998 1997	89 N N N N		6 906 10 984 12 040 9 860 8 990 8 630	306 835 464 670 490 180 430 761 390 142 366 045	7 453 8 558 6 925	7 866 15 029 16 941 14 414 13 313 12 341	128 267 267 070 294 457 284 350 234 108 217 617	664 448 2 359 011 2 461 981 1 641 570 1 427 473 1 373 769	1 909 161 2 482 327 2 069 377 1 529 568	1 458 597 4 314 759 4 893 268 3 741 798 2 932 462 2 772 428	'48 927 407 422 373 969 339 192 305 567 192 201

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

		All establishments ²		All employees		Production workers						
Industry and geographic area		Total	With 20 em- ploy- ees or more	Number ³	Payroll (\$1,000)		Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	materials	Total value of shipments (\$1,000)	tures
335921, Fiber optic cable manufacturing												
United StatesCaliforniaNew York	4	96 19 6	38 4 3	6 906 379 420	306 835 15 196 14 440	3 750 168 234	7 866 306 473	128 267 5 136 6 309	664 448 39 123 28 851	722 428 25 298 27 621	1 458 597 64 504 57 764	r48 927 r7 478 r542

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

¹Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

period that includes the 12th of March.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
335921, Fiber optic cable manufacturing	
Companies ¹ number	89
All establishments ² number. Establishments with 1 to 19 employeesnumber. Establishments with 20 to 99 employeesnumber. Establishments with 100 employees or morenumber.	96 58 19 19
All employees3 number. Total compensation \$1,000. Annual payroll \$1,000. Total fringe benefits \$1,000.	6 906 395 281 306 835 88 446
Production workers, average for year	3 750 4 220 4 106 3 524 3 140
Production worker hours	7 866 128 267
Total cost of materials \$1,000. Materials, parts, containers, packaging, etc., used \$1,000. Resales \$1,000. Purchased fuels \$1,000. Purchased electricity \$1,000. Contract work \$1,000.	722 428 629 965 D 1 919 8 952 D
Quantity of electricity purchased for heat and power	205 483 D
Total value of shipments \$1,000. Primary products value of shipments \$1,000. Secondary products value of shipments \$1,000. Total miscellaneous receipts \$1,000. Value of resales \$1,000. Contract receipts \$1,000. Other miscellaneous receipts \$1,000.	1 458 597 1 306 232 36 814 115 551 D D 1 238
Primary products specialization ratio percent. Value of primary products shipments made in all industries \$1,000. Value of primary products shipments made in this industry \$1,000. Value of primary products shipments made in other industries \$1,000.	97 1 420 043 1 306 232 113 811
Coverage ratiopercent	92
Value added\$1,000	664 448
Total inventories, beginning of year \$1,000 Finished goods inventories \$1,000 Work-in-process inventories \$1,000 Materials and supplies inventories \$1,000	283 810 74 544 98 543 110 723
Total inventories, end of year \$1,000. Finished goods inventories \$1,000. Work-in-process inventories \$1,000. Materials and supplies inventories \$1,000.	170 463 66 522 34 844 69 097
Gross value of depreciable assets (acquisition costs) at beginning of year \$1,000. Total capital expenditures (new and used) \$1,000. Buildings and other structures (new and used) \$1,000. Machinery and equipment (new and used) \$1,000. Automobiles, trucks, etc., for highway use \$1,000. Computers and peripheral data processing equipment \$1,000. All other expenditures for machinery and equipment \$1,000. Total retirements \$1,000. Gross value of depreciable assets at end of year \$1,000.	1 552 896 '48 927 '17 169 '31 758 '385 '27 839 '262 501 '1 339 322
Depreciation charges during year\$1,000.	r163 771
Total rental payments \$1,000. Buildings and other structures \$1,000. Machinery and equipment \$1,000.	25 203 17 601 7 602
Total other expenses ⁴ \$1,000. Response coverage ratio ⁵ percent. Repair and maintenance services of buildings and/or machinery ⁴ \$1,000. Communications services ⁴ \$1,000. Legal services ⁴ \$1,000. Accounting, auditing, and bookkeeping services ⁴ \$1,000. Advertising and promotional services ⁴ \$1,000. Expensed computer hardware and supplies and purchased computer services ⁴ \$1,000. Refuse removal (including hazardous waste) services ⁴ \$1,000. Management consulting and administrative services ⁴ \$1,000. Taxes and license fees ³ \$1,000. All other expenses ⁴ \$1,000.	88 007 55 3 596 2 211 2 412 240 1 813 1 394 858 3 062 4 900 67 521

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.
2Includes establishments with payroll at any time during the year.
3Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.
4Based on Annual Survey of Manufactures (ASM) sample data.
5A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class		All employees			Р	roduction worke	ers		Total	Total	Total capital
		All estab- lish- ments ²	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	cost of materials (\$1,000)	value of shipments (\$1,000)	expendi- tures (\$1,000)
335921, Fiber optic cable manufacturing											
All establishments with — 1 to 4 employees . 5 to 9 employees . 10 to 19 employees . 20 to 49 employees . 50 to 99 employees . 50 to 99 employees . 50 to 499 employees . 500 to 999 employees . 500 to 999 employees . 1,000 to 2,499 employees . 2,500 employees or more .	1 9 5 - 1 1 - -	96 21 15 22 13 6 15 2	6 906 44 99 330 429 448 2 248 f f g	306 835 1 665 3 760 13 329 18 246 15 320 111 833 D D	3 750 33 69 187 215 261 1 296 D D	7 866 57 142 373 409 445 2 697 D D	128 267 1 096 2 363 6 177 6 523 6 852 47 297 D D	664 448 8 409 9 255 47 310 29 725 33 579 446 172 D D D	722 428 6 804 16 404 34 256 25 674 28 798 275 078 D D	1 458 597 15 201 36 423 81 254 57 432 63 223 722 666 D D	'48 927 '278 '639 '1 539 '8 008 '13 164 '10 814 D D
Administrative records ⁴	9	35	185	6 976	134	259	4 596	38 563	31 298	69 860	^r 1 289

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

¹Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or	Industry or primary product class	A.II	All em	ployees	Pr	oduction work	ers		Total	Total	Total
Industry or product class code		All estab- lish- ments ¹	Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	capital expendi- tures (\$1,000)
335921	Fiber optic cable manufacturing	96	6 906	306 835	3 750	7 866	128 267	664 448	722 428	1 458 597	⁷ 48 927
3359210	Fiber optic cable	96	6 906	306 835	3 750	7 866	128 267	664 448	722 428	1 458 597	r48 927

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Table 6a. Products Statistics: 2002 and 1997

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

		Number of		Product shipments		
Product code	Product	companies with shipments of \$100,000 or more	Quantity of production for all purposes	Quantity	Value (\$1,000)	
335921	Fiber optic cable manufacturing	ZZ	X	X	1 420 043 2 350 081	
3359210	Fiber optic cable	N	X	×	1 420 043	
33592102	Fiber optic cable, communication applications	N N	ŝ) ŝ	2 350 081 1 243 588	
3359210201	Fiber optic cable, communication applications ¹	1N 44	X	Į Š	1 243 588	
33592103	Fiber optic cable, all other applications	N N	X	Į Š	43 989	
3359210301	Fiber optic cable, all other applications ¹	18	X	X	43 989	
3359210Y	1997 Fiber optic cable, nsk, total	2 2 2	X	X	132 466	
3359210YWW	Fiber optic cable, nsk, for nonadministrative-record establishments	N	X	×	49 096	
	1997	N N	X	×	66 583 49 096	
3359210YWY	Fiber optic cable, nsk, for administrative-record establishments	N N	X	X	65 883 -	

¹For additional detail, see Current Industrial Report MA335J, Insulated Wire and Cable.

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. Product Class Shipments for Selected States: 2002 and 1997

[Not applicable for this report.]

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
335921	Fiber optic cable manufacturing		
00900001	Total materials	X	629 965 1 367 474
33122200	Bare steel wire	D	D 46 702
33120003	All other steel shapes and forms (excluding castings, forgings, fabricated metal products, and		2 441
	bare wire)	â	30 035
331000A5	Insulated copper wire and cable		D 26 351
33142147	All other copper and copper-base alloy shapes and forms (including wire bar)	D	D
33100071	All other aluminum and aluminum-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products)		D
	1997.	D D	D
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc		29 780 92 932
32521204	Synthetic rubber	X	92 932 D N
32500031	All other chemicals and allied products (excluding plastics resins and synthetic rubber)	D	D
	1997.	N	N
32721501	Optical fiber, data and nondata transmission		231 140 715 673
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes	X	713 073 D 13 984
31311103	Cotton yarns	X	D
	1997.	X	13 402
33593105	Connectors		8 907 19 007
00970099	All other materials and components, parts, containers, and supplies	X	159 892
00971000	Materials, ingredients, containers, and supplies, nsk	X	328 693 184 298 9 829

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.